

## LISTING OF THE CLAIMS

Claims 1-9 (Canceled)

10. (Currently amended) A method of transmitting transverse ultrasonic waves between a surface of a transmitting, respectively receiving, transducer for transverse ultrasonic waves; and

a surface of a probe , wherein said method comprises

providing a homogenized mixture of at least one polysaccharide or one disaccharide, a surface-active substance and water as a coupling medium for transverse ultrasonic waves and applying said homogenized mixture to at least one of either said surface of a transmitting, respectively receiving, transducer for transverse ultrasonic waves or a surface of a probe; and pressing said probe and said transducer together, wherein said mixture comprises 10 to 30 weight % water, 10 to 30 weight % of surface active substance and 40 to 80 weight % of polysaccharide or disaccharide.

11. (canceled)

12. (Previously presented) The method of claim 10, wherein said mixture is composed solely of biocompatible substances.

13. (New) The method of Claim 10, wherein the surface active substance is selected from the group consisting of lipids, aerosol-OT, phospholipids, and glycolipids.